

Converting Colors

$Y_{xy}(45.3681, 0.2508, 0.2839)$

Have a look what the booklet for
Yxy(45.3681, 0.2508, 0.2839)
contains.

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Color

Yxy(45.1907, 0.2507, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	84BADC
RGB	132, 186, 220
RGB Percent	52%, 73%, 86%
CMY	0.4825, 0.2706, 0.1372
CMYK	0.40, 0.15, 0.00, 0.14
HSL	203°, 56%, 69%
HSV	203°, 40%, 86%
XYZ	39.9905, 45.1907, 74.3342
YIQ	173.7300, -43.0980, -0.8740

Conversions

Conversions Part 2

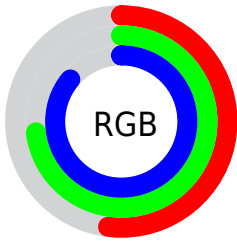
Format	Color
RYB	132, 165, 220
Decimal	8698588
CIELab	73.02, -9.03, -22.63
CIElCh	73, 24.363, 248.243
Yxy	45.1907, 0.2507, 0.2833
Android (android.graphics.Color)	4286888668 (0xFF84BADC)
YUV	173.7300, 22.8111, -36.5972
Hunter-Lab	67.2240, -11.4553, -18.5041

Details

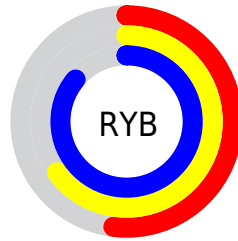
The Yxy color **45.1907, 0.2507, 0.2833** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.1472, 0.3966, 0.3700**, and the grayscale version is **42.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4156, 0.2728, 0.3149**, and **21.0695, 0.2338, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **40.1273, 0.2362, 0.2695**, and if you desaturate by 10%, it is **50.8446, 0.2660, 0.2963**.

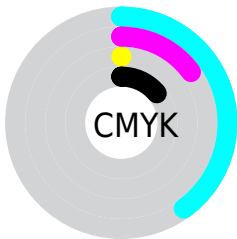
Distribution



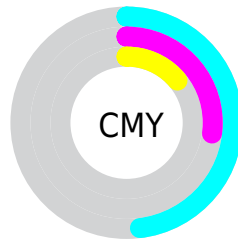
- Red (52%)
- Green (73%)
- Blue (86%)



- Red (52%)
- Yellow (65%)
- Blue (86%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1907, 0.2507, 0.2833 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.1907, 0.2507, 0.2833 by changing the saturation by 10% instead.

■ 45.1907, 0.2507,
0.2833

■ 45.1907, 0.2507,
0.2833

■ 367.5454, 0.2811,
0.3064

■ 31.6077, 0.2433,
0.2775

■ 83.0065, 0.2616,
0.2917

■ 21.0620, 0.2341,
0.2701

■ 108.0081, 0.2657,
0.2949

■ 13.1693, 0.2220,
0.2603

■ 137.5846, 0.2692,
0.2975

■ 7.5453, 0.2057,
0.2468

■ 172.1204, 0.2723,
0.2998

■ 3.8054, 0.1829,
0.2271

■ 212.0001, 0.2749,
0.3018

■ 1.5653, 0.1490,
0.1963

■ 257.6078, 0.2772,

■ 0.3340, 0.0353,

0.3035

0.1216

309.3281, 0.2793,
0.3050

0.0000, 0.0000,
0.0000

45.1907, 0.2507,
0.2833

45.1907, 0.2507,
0.2833

40.1273, 0.2362,
0.2695

50.8446, 0.2660,
0.2963

35.6217, 0.2228,
0.2550

57.1088, 0.2816,
0.3082

31.6454, 0.2111,
0.2400

64.0087, 0.2973,
0.3191

28.1645, 0.2012,
0.2250

71.5664, 0.3127,
0.3290

25.1391, 0.1935,
0.2101

79.8025, 0.3277,
0.3378

■ 22.5057, 0.1877,
0.1957

■ 86.9939, 0.3358,
0.3459

■ 92.0319, 0.3346,
0.3541

■ 97.3063, 0.3335,
0.3622

■ 97.9481, 0.3333,
0.3631

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1907, 0.2503, 0.3070



45.1907, 0.2507, 0.2833



45.1907, 0.2666, 0.2730

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1907, 0.2507, 0.2833



45.1907, 0.3614, 0.3167



45.1907, 0.3275, 0.3887

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1907, 0.2507, 0.2833



44.1472, 0.3966, 0.3700

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1907, 0.3589, 0.3881



45.1907, 0.2507, 0.2833



45.1907, 0.3795, 0.3450

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1907, 0.2507, 0.2833



45.1907, 0.3299, 0.2923



45.1907, 0.3783, 0.3712



45.1907, 0.2934, 0.3704

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1907, 0.2507, 0.2833



45.1907, 0.2845, 0.2739



45.1907, 0.3783, 0.3712



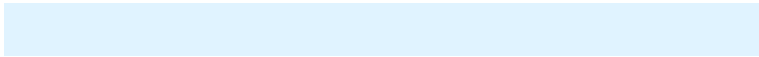
45.1907, 0.3388, 0.3906

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1924, 0.2507, 0.2833



87.3408, 0.2940, 0.3170



58.8400, 0.2876, 0.4033



18.4170, 0.2920, 0.3156



0.0000, 0.0000, 0.0000



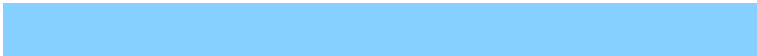
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1924, 0.2507, 0.2833



57.1511, 0.2385, 0.2718



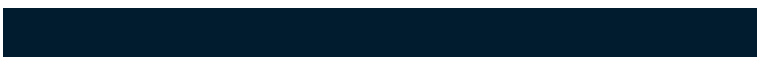
29.4896, 0.2410, 0.2211



13.9410, 0.2982, 0.3198



13.4285, 0.1883, 0.1979



1.0351, 0.1949, 0.2216

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.2581, 0.3514, 0.2657



42.4662, 0.3629, 0.2530



62.8492, 0.3766, 0.4177



13.1852, 0.3196, 0.3147



9.9794, 0.4477, 0.2240



0.6632, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 45.1907, 0.2507, 0.2833 looks on a white background.

Color Contrast Check

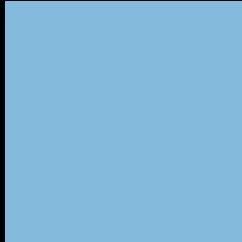
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.1907, 0.2507, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1907, 0.2507, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 45.1907, 0.2507, 0.2833.

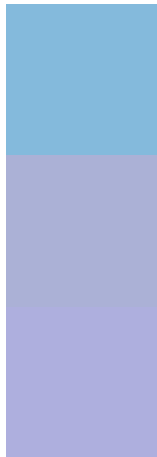


This preview shows how white text looks on a background with the Yxy color 45.1907, 0.2507, 0.2833.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.1907, 0.2507, 0.2833

Protanopia

44.9572, 0.2799, 0.2818

Deuteranopia

44.9325, 0.2765, 0.2703



Tritanopia

45.3440, 0.2581, 0.3080

Trichromacy



Original Color

45.1907, 0.2507, 0.2833

Protanomaly

44.7685, 0.2685, 0.2820

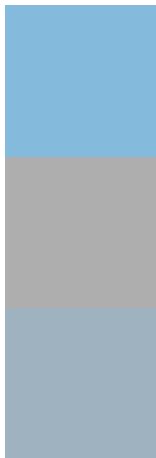
Deuteranomaly

44.8316, 0.2666, 0.2749

Tritanomaly

45.2867, 0.2550, 0.2987

Monochromacy



Original Color

45.1907, 0.2507, 0.2833

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.9733, 0.2869, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1907, 0.2507, 0.2833 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(132, 186, 220)` looks like.

```
.text, #text, p{  
    color:rgb(132, 186, 220)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(132, 186, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 186, 220) }
```

Border

The CSS property to change the border of an element to Yxy 45.1907, 0.2507, 0.2833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 186, 220) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(132, 186, 220) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(132, 186, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 186, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 186, 220);  
box-shadow:4px 4px 4px 4px rgb(132, 186,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1907, 0.2507, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 186, 220) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(132,  
186, 220) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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